



Repeater: NØDX 145.190 MHz (Input 144.590 / Tone 192.8 Hz)


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The Eastern Iowa DX Bulletin

Number 230, July 12, 2024

Craig Fastenow, KØCF, Editor

This bulletin is a compilation of **currently active** DX operations (or those that will become active within the current week) from recent issues of the three DX bulletins listed below and other sources. Credit for the source is given at the end of each article.

Articles are ordered by the entity's callsign prefix from the *ARRL DXCC Entities List*. Callsigns used are in **bold** with dates of operation highlighted in **red**. Clickable links are provided for QSL and other information wherever possible. Note that articles may be edited for grammar, language, style and accuracy and will remain in *The Bulletin* while active; articles that are announcements of ongoing operations, or that have no specified end date, will be removed after three weeks.

Also included is a [Propagation](#) section, updated daily; and a [Contest Calendar](#) of upcoming popular contests.

DX News items are courtesy of:

The ARRL DX Bulletin

The bulletin is available at <http://www.arrl.org>

425 DX News, A.R.I. DX Bulletin (425DXN)

Edited by Mauro Pregliasco, I1JQJ & Valeria Pregliasco, IK1ADH

425 DX News Home Page: <https://www.425dxn.org/>

425 DX News Google Group: <https://groups.google.com/g/425eng>

DX Newsletter (DXNL)

Edited by Andreas Salder, DK5ON

A weekly service of DARC Committee "DX", <http://www.darcdxhf.de>

Ohio-Penn DX Bulletin (OPDX)

Edited by Tedd Mirgliotta, KB8NW. Although OPDX is no longer published as a weekly bulletin, Tedd still sends DX news emails.

We will occasionally publish some of them.

Propagation data is from:

National Oceanic and Atmospheric Administration's

[Space Weather Prediction Center](#)

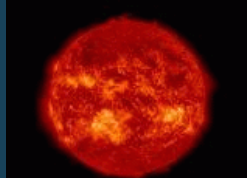
Dr. Tony Phillips' SpaceWeather.com, used by permission

Contest data courtesy of the [WA7BNM Contest Calendar](#)



Solar-Terrestrial Data

13 Jul 2024 1718 GMT
 SFI: 210 SN: 168
 A-Index: 5
 K-Index: 1
 X-Ray: C7.2
 304A: 164.6 @ SEM
 Ptn Flx: 11
 Ele Flx: 1390
 Aurora: 2/n=1.99
 Mag (Bz): -1.2
 Solar Wind: 313.9
 Geomag Field VR QUIET
 Sig Noise Lvl S0-S1
 Current Solar Image



<http://www.nonbh.com>
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DX News

7Q, MALAWI. Marc, MØCMC, is working at the University Mzuzu and has been assigned the callsign **7Q5MLV**. QRV on 80-10m (CW, SSB) with 100W and an end fed antenna. QSL via eQSL.

-[DXNL # 2412 June 26, 2024] (0628-0719)

8Q, MALDIVE IS. Christian, OE3DEC, to be active as **8Q7EC**, is now scheduled for **July 1st-12th**.

-[DXNL # 2412 June 26, 2024] (0628-0719)

C5, GAMBIA. Jean-Louis, F6ITS left France in August 2023 for a 2-3 year around-the-world voyage. He recently obtained his Gambian license and will be active as **C5GM** until the end of the year. For the time being he operates SSB and CW (QRS); the station is located on his sailing boat, the "Sharkif", which means that **his operations cannot be accepted for DXCC credit**. QSL via [EA7FTR](#).
-[425DXN # 1730 June 29, 2024] (0628-0719)

CT, PORTUGAL. Special event station **CR6B** will be active on **July 15th-21st** for the 42nd International Motorcycle Rally in Faro, Portugal. Expect activity on 160-6 meters SSB, CW and digital modes. QSL via [CT1EHX](#).
-[425DXN # 1732 July 13, 2024] (0712-0726)

DL, GERMANY. Special callsign **DLØSOP** will be active on **July 1st-31st** for the 66th edition of the Sea of Peace Award (see <https://dl0sop.darc.de/> for full details). QSL via [ClubLog's OQRS](#), LoTW, eQSL, or direct to [DL4SVA](#).
-[425DXN # 1730 June 29, 2024] (0628-0802)

DL, GERMANY. The following special event callsigns will be active from **June 14th to July 17th** around the European Football Championship: **DL2Ø24E**, **DL2Ø24U**, **DL2Ø24R**, and **DL2Ø24O**. Awards are available: <https://www.darc.de/der-club/referate/dx/sonderdiplome/>. QSL via DARC QSL bureau, [DL2VFR](#).
-[DXNL # 2409 June 5, 2024] (0607-0719)

DU, PHILIPPINES. Christian, F4EBK is QRV as **DU3/F4EBK** from Luzon Island, IOTA OC-042, until **January 2025**. Activity is on 20, 15 and 10 meters typically around 0900 and then after 2100z. QSL via [F4EUQ](#).
-[ARRL DX Bulletin # 25 July 11, 2024] (0712-0802)

DXCC TOP TWENTY. Here are the top 20 entities on ClubLog's "DXCC Most Wanted" list as of July 12, 2024:

1. P5	DPRK (North Korea)	11. 3Y/B	Bouvet Island
2. BS7H	Scarborough Reef	12. ZS8	Prince Edward & Marion Islands
3. CEØX	San Felix Islands	13. KH4	Midway Island
4. BV9P	Pratas Island	14. VKØM	Macquarie Island
5. KH7K	Kure Island	15. PYØS	Saint Peter And Paul Rocks
6. KH3	Johnston Island	16. KP5	Desecheo Island
7. FT/G	Glorioso Island	17. VPØS	South Sandwich Islands
8. 3Y/P	Peter 1 Island	18. KH5	Palmyra & Jarvis Islands
9. FT5/X	Kerguelen Island	19. ZL9	New Zealand Subantarctic Islands
10. YVØ	Aves Island	20. FK/C	Chesterfield Islands

For the complete list, see <https://clublog.org/mostwanted.php>

-[KØCF July 12, 2024] (0712-0802)

ES, ESTONIA. Ric, DL2VFR signs **ESØ/DL2VFR** from Hiiumaa (EU-034) from **July 12th to 15th**, and **ES8/DL2VFR** from Kihnu (EU-178) on **July 16th and 17th**. Mostly CW on HF. QSL via [DL2VFR](#), LoTW or [ClubLog's OQRS](#).
-[DXNL # 2414 July 10, 2024] (0712-0719)

F, FRANCE. Special callsign **TM111TDF** is a French special callsign to be activated for this year's 111th edition of the Tour de France. Look for activity on **June 29th, July 1st-2nd, 6th, 9th-11th, 13th-14th and 17th-21st**. QSL via [F8GGZ](#).
-[425DXN # 1729 June 22, 2024] (0628-0726)

F, FRANCE. During the Paris 2024 Olympic Torch Relay and the actual Olympic Games, look for **TM67OG** to be active for fifteen days from **June 25th to July 27th**, and **TM67JO** to be active for another fifteen days from **July 26th until August 11th**. The operators will be F1LFL (SSB), F5PZT (FT8 and FT4) and F5TFW (CW). QSL via [F1LFL](#).
-[425DXN # 1728 June 15, 2024] (0621-0816)

F, FRANCE. Vitaly, F4WBU will be active as **TM17CEF** on **June 14th-28th**, and as **TM24F** from **June 29th to July 14th**. The special callsigns are for the 17th edition of the UEFA European Football Championship, the quadrennial international men's football (soccer) championship of Europe to be held

in Germany. QSL via [F4WBU](#) and eQSL.

-[425DXN # 1728 June 15, 2024] (0614-0719)

F, FRANCE. Special event station **TM85JO** operates around the Olympic Torch stages from **May 8th to 12th, June 8th to 9th, June 21st to 23rd, July 12th to 14th**, and on **July 26th**. QSL via bureau.

-[DXNL # 2405 May 8, 2024] (0510-0726)

FM, MARTINIQUE. Stefano, IW2MJQ, will be active as **IW2MJQ/mm** and as **J87/IW2MJQ** and **FM/IW2MJQ** from various BOTA (Beach on The Air) and POTA (Parks on The Air) locations **during July**. QSL direct via [IK2WAD](#).

-[DXNL # 2413 July 3, 2024] (0705-0802)

FP, ST. PIERRE & MIQUELON. Once again Eric, KV1J will be active as **FP/KV1J** from Miquelon Island (NA-032) on **July 2nd-16th**, including activity the IARU HF World Championship (July 13th-14th). Plans are to operate primarily SSB and FT8, plus some CW, RTTY and FT4, on 80-6 meters, "generally on the highest frequency band open" with a focus on 12, 10 and 6m. See

<http://www.kv1j.com/fp/July24.html> for more information. QSL via LoTW, [ClubLog's OQRS](#), eQSL, or via [KV1J](#).

-[425DXN # 1729 June 22, 2024] (0628-0719)

FR, REUNION I. Giovanni, IZ2DPX will be active holiday style as **TO7PX** from Reunion Island (AF-016) on **July 4th-18th**. He will operate SSB and FT8 on 40-6 meters. QSL direct to [IK2DUW](#).

-[425DXN # 1730 June 29, 2024] (0628-0719)

FS, SAINT MARTIN. Eric, GM5RDX will be active as **FS/GM5RDX** from **July 15th to 30th**. QSL via LoTW, eQSL, [ClubLog's OQRS](#), or the Bureau.

-[DXNL # 2414 July 10, 2024] (0712-0802)

G, ENGLAND. Joining Guglielmo Marconi's 150th anniversary celebrations, the Cornish Radio Amateur Club (GX4CRC) will be active as **GB15ØGM** from **April 27th until July 27th**. This activity participates in the "Marconi 150 Award", organized by the Associazione Radioamatori Italiani (ARI) and the Coordinamento Stazioni Marconiane Italiane (CSMI) under the patronage of the Guglielmo Marconi Foundation. See IR2GMCL below. QSL via eQSL.

-[425DXN # 1720 April 20, 2024] (0426-0726)

GM, SCOTLAND. Look for Alan, **GM4EEL** to be QRV from Ailsa Craig, IOTA EU-123, on **July 14th**. Activity will be on 20, 17, and 15 meters using FT8, and possibly CW, all with QRP power. QSL via [VK6CQ](#).

-[ARRL DX Bulletin # 25 July 11, 2024] (0712-0719)

HR, HONDURAS. Alex, K6VHF will be QRV as **K6VHF/HR9** from Roatan Island, IOTA NA-057, from **July 13th to 22nd**. Activity will be on the HF bands and 6 meters using mainly digital modes. QSL via [K6VHF](#), LoTW, eQSL.

-[ARRL DX Bulletin # 25 July 11, 2024] (0712-0726)

HS, THAILAND. Special callsign **HS72KING** will be used by the Radio Amateur Society of Thailand (RAST) to celebrate the 72nd birthday of His Majesty King Maha Vajiralongkorn (HS1ØA) from **July 1st to 29th**. "By endorsing and participating in this special event, His Majesty continues to inspire and encourage the growth and development of amateur radio in the country". QSL via LoTW and [ClubLog's OQRS](#).

-[425DXN # 1731 July 6, 2024] (0705-0802)

I, ITALY. Alessandro, IU3EDK and Carlo, IZ1KGY will participate in the IOTA Contest (**July 27th-28th**) as **IR5G** from Giannutri Island (EU-028). QSL via the bureau, or direct to [IU3EDK](#).

-[425DXN # 1732 July 13, 2024] (0712-0719)

I, ITALY. Watch for **I12HQ**, **I14HQ**, **I16HQ**, **I19HQ** and **I1ØHQ** who will represent the Associazione Radioamatori Italiani (ARI) during this weekend's IARU HF World Championship (**July 13th-14th**). See <https://hqspeedaward.ari.it/> for the "I1xHQ Speed Award", with prizes and certificates for working ARI

HQ stations on different bands and modes in the shortest possible time.

-[425DXN # 1732 July 13, 2024] (0712-0719)

I, ITALY. Members of ARI Marsala (namely IT9BYS, IT9FUN, IT9FXV, IT9JLF and IW9APP) will be active as **IQ9VG/p** from La Scuola, one of the Stagnone Islands (EU-166), on **July 13th-14th**. They will be QRV on 40, 20, 15, 10 and 6 meters. QSL via [ClubLog's OQRS](#), or via [IT9FUN](#).

-[425DXN # 1729 June 22, 2024] (0712-0719)

I, ITALY. Giorgio, IU2EBO will operate QRP as **IA5/IU2EBO** from Isola d'Elba (EU-028) on **July 10th-27th**, including a 12-hour effort during the IOTA Contest. QSL via the bureau and eQSL.

-[425DXN # 1731 July 6, 2024] (0705-0726)

I, ITALY. Celebrating Pesaro Capitale Italiana della Cultura (Italian Capital of Culture) 2024, members of ARI Pesaro and ARI Fano will be active as **I16CIC** from **June 1st to August 29th**. QSL via [IQ6PS](#).

-[425DXN # 1725 May 25, 2024] (0531-0830)

I, ITALY. Commemorating the 150th anniversary of the birth of Guglielmo Marconi, members of ARI's Board of Directors will be active as **IR2GMCL** from **April 28th to July 27th** during the "Marconi 150 Award". See <https://www.qrz.com/db/IR2GMCL> for the rules. Paper QSL cards will not be provided; electronic QSLs may be downloaded from the HamAward platform.

-[425DXN # 1720 April 20, 2024] (0426-0726)

IS0, SARDINIA. Ennio, IW1RBI will be active holiday style as **IS0/IW1RBI** from Arbus, Sardinia (EU-024) on **July 18th-25th**. He will operate mainly SSB on 80-6 meters. QSL via [IW1RBI](#).

-[425DXN # 1732 July 13, 2024] (0712-0726)

J8, ST. VINCENT. Stefano, IW2MJQ, will be active as **IW2MJQ/mm** and as **J87/IW2MJQ** and **FM/IW2MJQ** from various BOTA (Beach on The Air) and POTA (Parks on The Air) locations **during July**. QSL direct via [IK2WAD](#).

-[DXNL # 2413 July 3, 2024] (0705-0802)

K, UNITED STATES. John, WB8YJF will be active again as **WB8YJF/4** from Ocracoke Island (NA-067) on **July 13th-22nd**. Usually he operates CW, RTTY, FT8/FT4 and SSB. QSL via [WB8YJF](#).

-[425DXN # 1731 July 6, 2024] (0712-0726)

KH6, HAWAII. Jim, N6TJ will be QRV as **KH7M** from the Big Island in the IARU HF World Championship (**July 13th-14th**). Activity will be on all HF bands using only CW. QSL via [KH6ZM](#).

-[ARRL DX Bulletin # 25 July 11, 2024] (0712-0719)

KH8, AMERICAN SAMOA. A group of operators are QRV as **K8R** from Tutuila Island, IOTA OC-045, **until July 25th**. Activity is on all HF bands using CW, SSB, and FT8. This includes an entry in the IARU HF World Championship (July 13th-14th). QSL via [HA7RY](#).

-[ARRL DX Bulletin # 25 July 11, 2024] (0712-0726)

KH9, WAKE I. Tom, NL7RR is QRV as **NL7RR/KH9** for about two weeks. He is active in his spare time on 20 meters using SSB between 0400 and 0800z. QSL to [NL7RR](#).

-[ARRL DX Bulletin # 25 July 11, 2024] (0712-0726)

LA, NORWAY. Carlos, LA9PJA expects to be active as **LA9PJA/p** from Hadseloya, Vesteralen Islands (EU-033) from **July 15th to 26th**. QSL cards will not be available, but QSOs will be uploaded to LoTW and ClubLog for IOTA matching. QSL via eQSL.

-[425DXN # 1731 July 6, 2024] (0712-0726)

OE, AUSTRIA. Special event stations **OE2XXM** and **OE5XXM** are QRV **during July** around the 38th International Amateur Radio meeting in Gosau. QSL via bureau.

-[ARRL DX Bulletin # 25 July 11, 2024] (0712-0802)

OE, AUSTRIA. Celebrating the 60th anniversary of the Rhein Ruhr DX Association (<https://rrdxa.org/>), Tom, OE4EIE is active as **OE4RRDXA** from **July 1st to September 30th**. QSOs will be uploaded to LoTW and ClubLog; paper QSL cards will not be available.

-[425DXN # 1731 July 6, 2024] (0705-0927)

OE, AUSTRIA. Special callsign **OE7ØVIE** marks the 70th anniversary of Vienna International Airport (IATA code VIE) from **June 21st to September 30th**. QSL via [ClubLog's OQRS](#) (preferred), LoTW in due course, or via [OE6VIE](#).

-[425DXN # 1729 June 22, 2024] (0621-0927)

OX, GREENLAND. Bo, OZ1DJJ will be active again as **OX3LX** from Greenland from **June 28th to July 16th**. In his spare time, he will be QRV on 4 and 6m, as well as on the HF bands, from grids GP47, GP60, GP80 (Sammisoq aka Christian IV Island, NA-151) "and maybe some more during day trips". QSL via [OZØJ](#).

-[425DXN # 1730 June 29, 2024] (0628-0719)

OZ, DENMARK. The following special event callsigns celebrate the 60th anniversary of IOTA **until the end of August**:

OZ6ØIOTA (mainland),
5P6ØIOTA/Ø (EU-030),
5P6ØIOTA/1 (EU-171),
5P6ØIOTA/2 (EU-172),
5P6ØIOTA/5 (EU-125),
5P6ØIOTA/8 (EU-088),
5P6ØIOTA/9 (EU-029).

For a schedule of activities see: <https://www.supersaas.dk/schedule/EDR/OZ6ØIOTA>. A number of certificates will be available, see <https://www.qrz.com/db/OZ6ØIOTA> for complete information. QSL via [ClubLog's OQRS](#) (preferred), LoTW, or via [OZ1ACB](#).

-[DXNL # 2413 July 3, 2024] (0705-0830)

PJ7, SINT MAARTEN. Eric, GM5RDX will be active as **PJ7/GM5RDX** from **July 15th to 30th**. QSL via LoTW, eQSL, [ClubLog's OQRS](#), or the Bureau.

-[DXNL # 2414 July 10, 2024] (0712-0802)

S2, BANGLADESH. Abdullah, **S21AF** has been active on 17 meters using FT8 around 1930z. QSL via [I8KHC](#).

-[ARRL DX Bulletin # 25 July 11, 2024] (0712-0802)

SP, POLAND. Special callsign **SN91LOT** will be active on **July 1st-31st** to commemorate the 91st anniversary of the ill-fated flight of Lithuanian pilots Steponas Darius and Stasys Girenas. On July 15, 1933, they attempted a nonstop flight from New York City to Kaunas in a small airplane named "Lituanica". After crossing the Atlantic Ocean, they crashed on July 17 when they were only 650km short of their final destination. QSL via [SP1PMY](#).

-[425DXN # 1730 June 29, 2024] (0628-0802)

UA9, ASIATIC RUSSIA. Team **RI8KK** (R1IB, R1II, RL1I and RG5G) will gather in Vorkuta on **July 14th-16th**, then will leave for Yarynskaya, on the coast of Baydaratskaya Bay. Depending on local conditions, plans are to be active from the Marresal'skiye Koshki Islands (AS-089, RR-06-02). If possible, they will also be QRV from the islands of Khaleyngo (RR-06-62) and Khalengo (RR-06-63). After that, if there is time, they will be QRV as RI1PP from the Karskaya Bay Islands (RR-06-61). QSLs via [R1II](#).

-[425DXN # 1732 July 13, 2024] (0712-0802)

UR, UKRAINE. Special callsign **EM1ØØWJZ** commemorates the 100th anniversary of the first amateur radio activity from the ancient city of Lwow, nowadays Lviv. It was conducted by 15-year-old Jan Zembicki, LW3 (then SP3AR, SP1AR, and finally SP6FZ), a founding member of the Lviv Shortwave Club (LKK) and an outstanding figure in the history of Polish amateur radio. EM1ØØWJZ will be active from **July 1st to December 31st**. QSL via [UR4WWE](#).

-[425DXN # 1729 June 22, 2024] (0628-0719)

V4, ST. KITTS & NEVIS. Eric, GM5RDX will be active as **V4/GM5RDX** from **July 15th to 30th**. QSL via LoTW, eQSL, [ClubLog's OQRS](#), or the Bureau.

-[DXNL # 2414 July 10, 2024] (0712-0802)

VK9L, LORD HOWE I. Jeff, W7BRS is QRV as **VK2/W7BRS** until **August 1st**. Activity is on 160 to 10 meters using CW, SSB, and FT8. This includes being an entry in the upcoming RSGB IOTA contest (July 27th-28th). QSL via [MØURX's OQRS](#).

-[ARRL DX Bulletin # 25 July 11, 2024] (0712-0802)\

VP5, TURKS & CAICOS IS. Juan, AC6ZM, is expected to be active as **VP5/AC6ZM** from the Turks and Caicos Islands until **July 17th**. Activity will be on various HF bands. QSL via LoTW, Eqsl.

-[OPDX July 12, 2024] (0712-0719)

XU, CAMBODIA. Tom, DL7BO is QRV as **XU7GNY** until **July 21st**. Activity is on 160 to 6 meters using CW, SSB, and FT8. QSL via [DL4WK](#).

-[ARRL DX Bulletin # 24 June 27, 2024] (0628-0726)

XW, LAOS. Vincent, F4BKV, plans to return to Laos and activate locator squares via QO-100 as **XW4KV** according to the following schedule:

July 10-14, OK17

July 15-16, OL10

July 18, OK09 (briefly, during morning hours)

July 20-21, OK33

July 22-24, OK24.

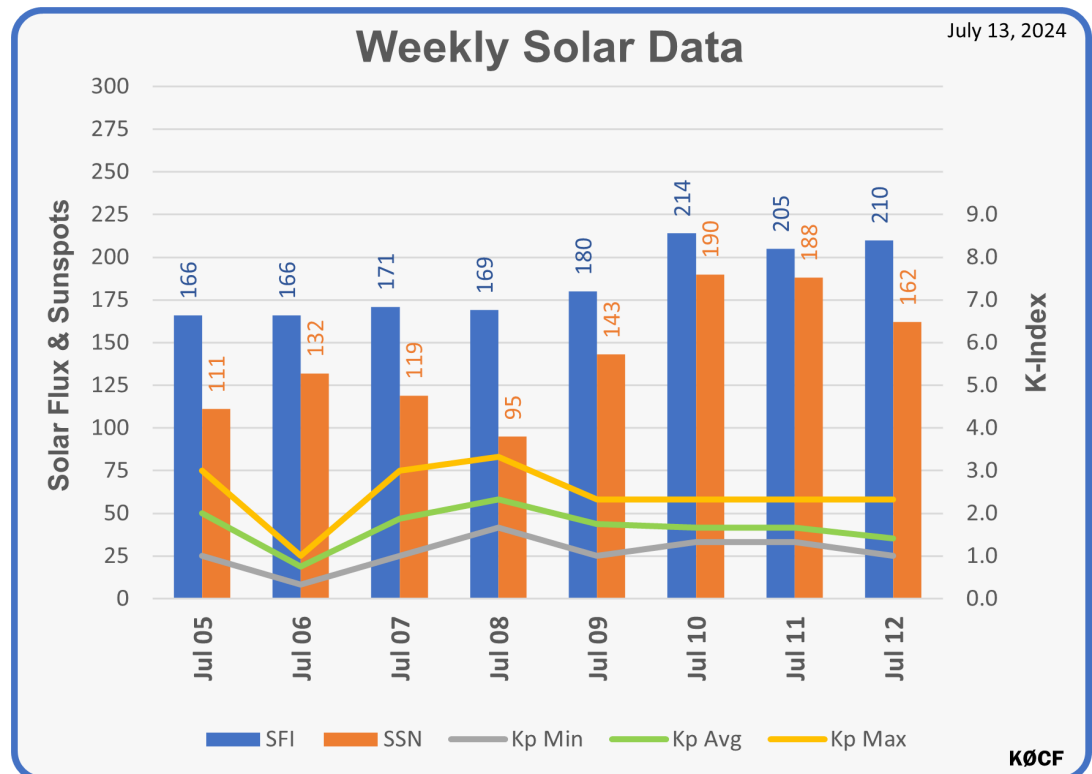
QSL via [ClubLog's OQRS](#) or via [F4BKV](#).

-[DXNL # 2414 July 10, 2024] (0712-0726)

ZC4, UK SOVEREIGN BASE AREAS ON CYPRUS. Adrian, GØKOM will be active as **ZC4MK** from the UK Sovereign Base Areas on Cyprus (AS-004) on **July 10th-17th**. He will concentrate on 6 meters, "with other bands a secondary consideration if 6m is not open". QSL via [ClubLog's OQRS](#), or [GØKOM](#).

-[425DXN # 1729 June 22, 2024] (0705-0719)

Propagation (Updated daily)



The Weekly Solar Data chart plots Solar Flux Index (SFI), Sunspot number (SSN) and Planetary K-index (Kp) for the past 8 days. With 8 Planetary K-index readings each day, only the minimum, average

and maximum K-index values are plotted. **Note:** You may click [here](#) or on the chart above to see the same data for the past month.

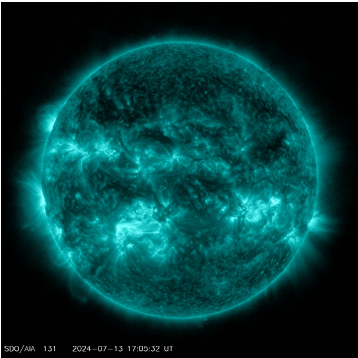
The Daily Solar Flux Index, Sunspot number, Planetary K-index, Solar Flux predictions and Solar Flare data used in this bulletin have been collected by KØCF from from the U.S. Department of Commerce's NOAA Space Weather Prediction Center.

The propagation graphs above are the creations of KØCF and are unique in space weather reporting.

Please Note: The graphs are high resolution .PNG files which you may view in greater detail using your browser's "zoom" feature. Alternatively, right click on the graph and select "Open Image in New Tab" to enlarge it, or "Save Image As..." to save it to your computer for further analysis.

NASA's current view of the Sun at a wave-length of 131 Angstroms. This wavelength shows incredible solar detail.

Click [here](#) or on the image to view as a full screen 48-hour video loop. It is fascinating!



Propagation Summary

For the 8 day period from Friday, July 5th through yesterday, July 12th.

The average solar flux was 188, up 16 points from the previous week, with a weekly high of 214 on Wednesday, July 10th, following a low of 166 on July 6th.

The average sunspot count was 147, down by 24 from last week, peaking at 190 on Wednesday, July 10th after a weekly low of 95 on July 8th.

The Planetary K-index weekly average was 2.5 with a maximum of 3.3 on Monday, July 8th, resulting in generally quiet geomagnetic conditions. Yesterday's K-index maximum was 2.3, producing generally quiet geomagnetic conditions.

Solar flare activity since July 6th has been high with 13 major flares, the largest of which was an M 5.3 event on Saturday, July 13th.

Propagation Data

Major solar flares, Saturday, July 6th through 1302 UTC, July 13th.

#	Date	UTC	Mag.
1	Jul 13	1242	M 5.3
2	Jul 13	0318	M 1.4
3	Jul 11	0625	M 1.2
4	Jul 11	0417	M 1.2
5	Jul 10	1304	M 1.1
6	Jul 10	1204	M 1.4
7	Jul 10	0945	M 1.3
8	Jul 10	0559	M 1.5
9	Jul 08	1241	M 1.1

10	Jul 07	2232	M 2.4
11	Jul 07	2127	M 1.3
12	Jul 07	1956	M 1.0
13	Jul 06	2315	M 1.0

(NOAA's graph of recent flare activity: [GOES-X-Ray-Flux](#))

From the NOAA Space Weather Prediction Center, here are the probabilities of major solar flares and the predicted 10.7 cm Solar Flux for the next 3 days. NOAA updates this information daily.

Date	M-Flares	X-Flares	Solar Flux
Jul 13	60%	15%	215
Jul 14	60%	15%	220
Jul 15	60%	15%	220

Looking farther ahead, here is the NOAA Space Weather Prediction Center forecast of 10.7 cm radio flux and maximum Planetary K-index (Kp) for the next 12 days. This data is updated by NOAA every Monday (last updated on July 8, 2024).

Date	Flux	Kp
Jul 13	175	2
Jul 14	180	4
Jul 15	180	3
Jul 16	180	3

Date	Flux	Kp
Jul 17	180	2
Jul 18	195	2
Jul 19	195	2
Jul 20	195	3

Date	Flux	Kp
Jul 21	200	3
Jul 22	200	2
Jul 23	200	2
Jul 24	200	2

Geomagnetic Storm Watch (G1)

NOAA forecasters say that minor [G1](#)-class geomagnetic storms are possible on July 13-14 when a stream of solar wind is expected to hit Earth's magnetic field. The gaseous material is flowing from [a northern hole](#) in the sun's atmosphere.

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Highs for Cycle 25

Solar Flux: 234 on January 15, 2023.
Sunspots: 283 on April 21, 2024.

Popular Propagation web sites

<https://prop.kc2g.com/> (Excellent Maximum Usable Frequency map)
NOAA <https://www.swpc.noaa.gov/>
<https://www.spaceweather.com/>
<https://www.solarham.com/>
<https://dx.qsl.net/propagation/>

A Propagation Tutorial

The solar X-ray flux tracks solar activity and solar flares. Solar flux, which can vary from as low as 50 to as high as 300, influences the level of ionization in the F2 region of the ionosphere, providing a very good prediction of HF DX conditions. The higher the solar flux, the better conditions will be for the higher HF frequencies and even 6 meters. However, the levels need to be maintained for some days to allow ionization in the F2 layer to build up. A solar flux of 150 results in good HF band conditions, while levels of 200 and up can provide great conditions.

Large X-ray flares on the sun can increase the ionization of the D layer of the ionosphere (a lower layer) on the sunlit side of the Earth, greatly attenuating or blocking HF radio transmissions for up to a half hour. Solar flares often produce Coronal Mass Ejections (CMEs) which, if Earth directed, can lead

to geomagnetic storms. Some large flares are also accompanied by strong radio bursts that may interfere with other radio frequencies and cause problems for satellite communication and radio navigation (GPS).

The Planetary K-index is a measure of the magnitude of geomagnetic storms and is an excellent indicator of disturbances in the Earth's magnetic field. A level of 1 or 2 represents quiet geomagnetic conditions; a reading of 3 or 4 may cause some propagation deterioration; 5 and 6 are minor to moderate geomagnetic storms; and 7 to 9 are strong, severe, and extreme storm conditions. Strong geomagnetic storms can trigger Auroral displays and cause HF radio blackouts. Higher geomagnetic activity also has the adverse effect of lowering maximum usable frequencies, much like lower solar flux does.

For best conditions, the solar flux should be above 150 for a few days with the K index below 2. When these conditions are met, some good DX is likely!

-[Compiled from information on NOAA.gov and other sources]

Contest Calendar

Weekly Contests

Contest	Start UTC		End	Web Site
K1USN Slow Speed Test	Monday	0000Z	0100Z	Rules
ICWC Medium Speed Test	Monday	1300Z	1400Z	Rules
	Monday	1900Z	2000Z	
	Tuesday	0300Z	0400Z	
CWops Test (CWT)	Wednesday	1300Z	1400Z	Rules
	Wednesday	1900Z	2000Z	
	Thursday	0300Z	0400Z	
	Thursday	0700Z	0800Z	
Weekly RTTY Test	Friday	0145Z	0215Z	Rules
NCCC CW Sprint (NS)	Friday	0230Z	0300Z	Rules

Note: Start Days are in UTC, e.g. Monday at 0000 UTC is Sunday at 7:00 PM in the Central Daylight Saving Time zone, or Sunday at 6:00 PM in the Central Standard Time zone.

Full Calendar

Contest	Start		End		Web Site
IARU HF World Championship	Jul 13	1200Z	Jul 14	1200Z	Rules
CQ Worldwide VHF Contest	Jul 20	1800Z	Jul 21	2100Z	Rules
North American QSO Party, RTTY	Jul 20	1800Z	Jul 21	0559Z	Rules
RSGB IOTA Contest	Jul 27	1200Z	Jul 28	1200Z	Rules
Alabama QSO Party	Jul 27	1500Z	Jul 28	0300Z	Rules
10-10 Int. Summer Contest, SSB	Aug 3	0001Z	Aug 4	2359Z	Rules
North American QSO Party, CW	Aug 3	1800Z	Aug 4	0600Z	Rules
WAE DX Contest, CW	Aug 10	0000Z	Aug 11	2359Z	Rules

Maryland-DC QSO Party	Aug 10	1400Z	Aug 11	0400Z	Rules
North American QSO Party, SSB	Aug 17	1800Z	Aug 18	0600Z	Rules
ARRL Rookie Roundup, RTTY	Aug 18	1800Z	Aug 18	2359Z	Rules
Hawaii QSO Party	Aug 24	0400Z	Aug 26	0400Z	Rules
World Wide Digi DX Contest	Aug 24	1200Z	Aug 25	1200Z	Rules
YO DX HF Contest	Aug 24	1200Z	Aug 25	1200Z	Rules
Kansas QSO Party	Aug 24	1400Z	Aug 25	2000Z	Rules
Ohio QSO Party	Aug 24	1600Z	Aug 25	0400Z	Rules
UK/EI DX Contest, SSB	Aug 31	1200Z	Sep 1	1200Z	Rules
Tennessee QSO Party	Sep 1	1700Z	Sep 2	0300Z	Rules
CWops CW Open	Sep 7	0000Z	Sep 7	2359Z	Rules
North American Sprint, CW	Sep 8	0000Z	Sep 8	0400Z	Rules
WAE DX Contest, SSB	Sep 14	0000Z	Sep 15	2359Z	Rules
ARRL September VHF Contest	Sep 14	1800Z	Sep 16	0300Z	Rules
North American Sprint, RTTY	Sep 15	0000Z	Sep 15	0400Z	Rules
Scandinavian Activity Contest, CW	Sep 21	1200Z	Sep 22	1200Z	Rules
Iowa QSO Party	Sep 21	1400Z	Sep 22	0200Z	Rules
Texas QSO Party	Sep 21	1400Z	Sep 22	0200Z	Rules
	Sep 22	1400Z	Sep 22	2000Z	
Wisconsin Parks on the Air	Sep 21	1600Z	Sep 21	2300Z	Rules
New Jersey QSO Party	Sep 21	1600Z	Sep 22	0359Z	Rules
New Hampshire QSO Party	Sep 21	1600Z	Sep 21	2200Z	Rules
	Sep 22	1600Z	Sep 22	2200Z	
Washington State Salmon Run	Sep 21	1600Z	Sep 22	0700Z	Rules
	Sep 22	1600Z	Sep 22	2400Z	
CQ Worldwide DX Contest, RTTY	Sep 28	0000Z	Sep 29	2400Z	Rules
Maine QSO Party	Sep 28	1200Z	Sep 29	1200Z	Rules
Oceania DX Contest, Phone	Oct 5	0600Z	Oct 6	0600Z	Rules
California QSO Party	Oct 5	1600Z	Oct 6	2200Z	Rules

-[Contest data courtesy of the [WA7BNM Contest Calendar](#)]